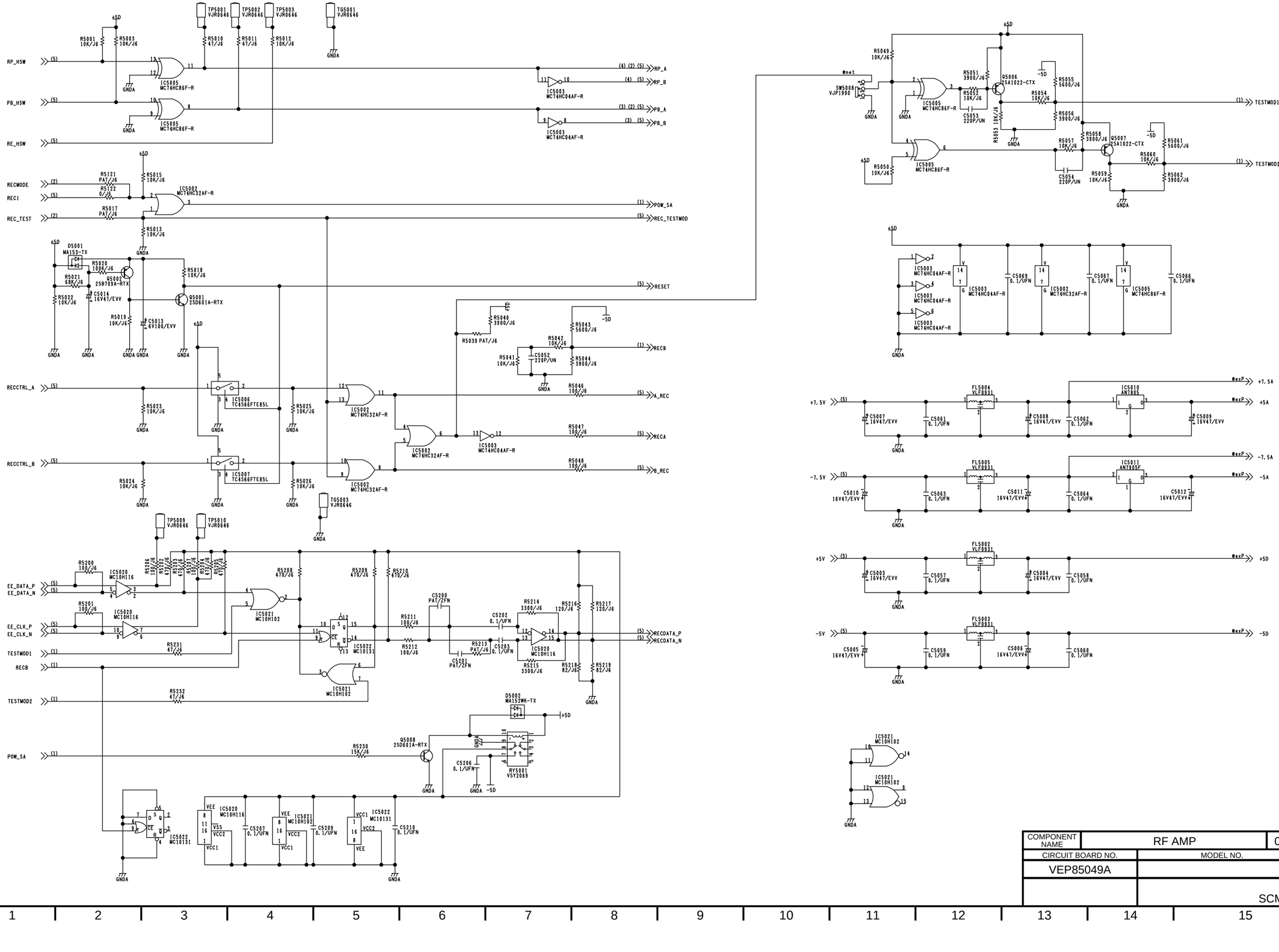
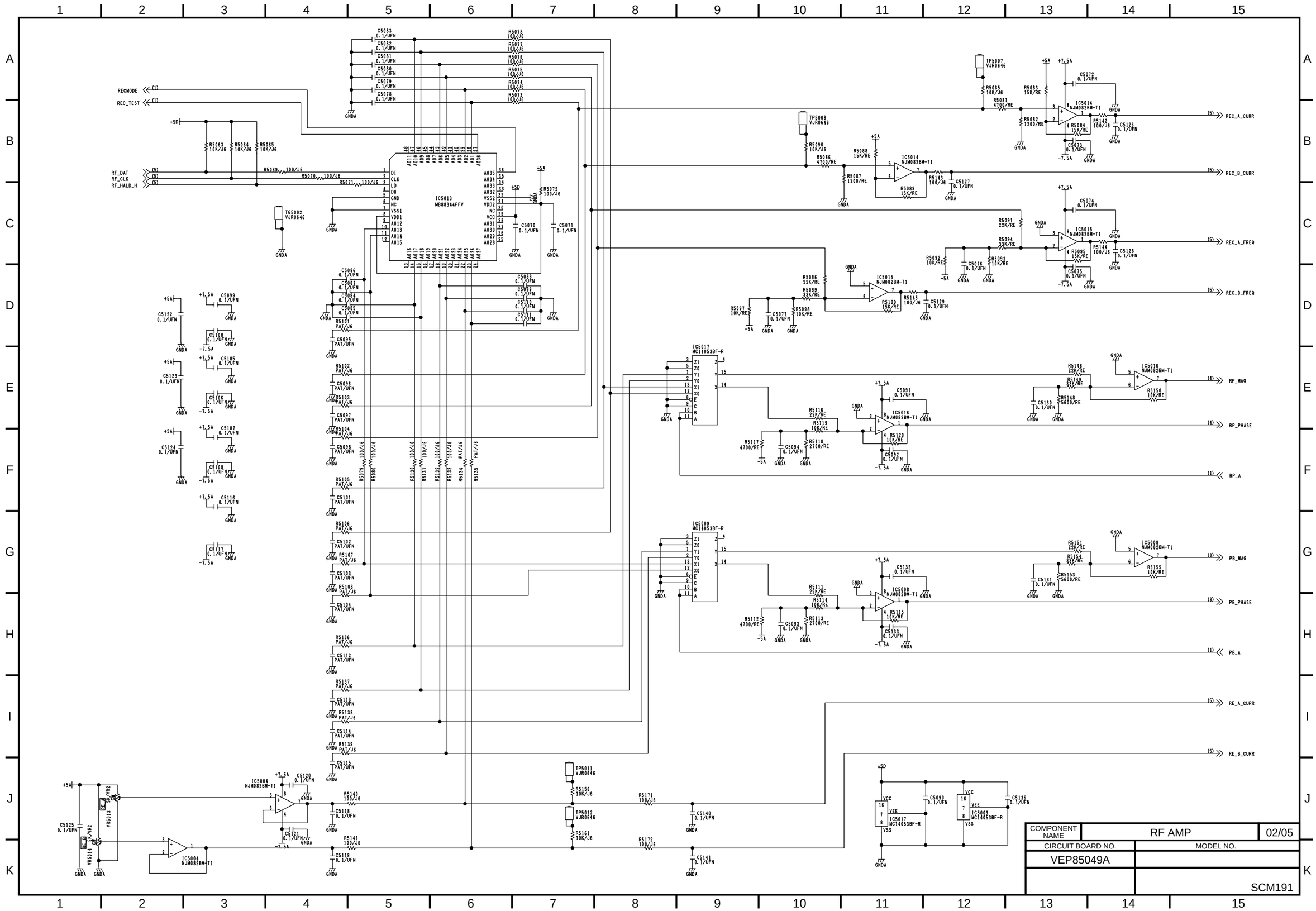
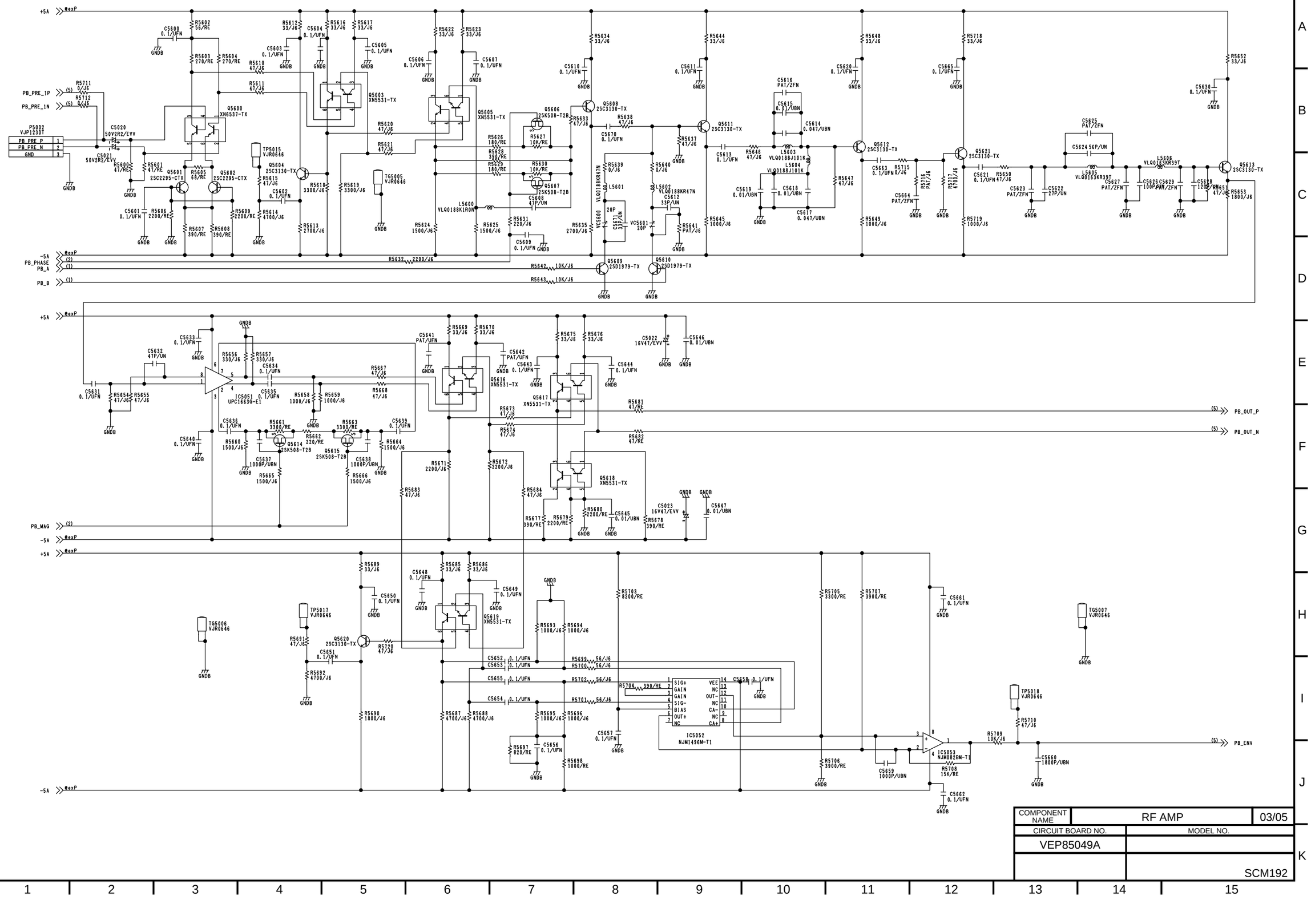
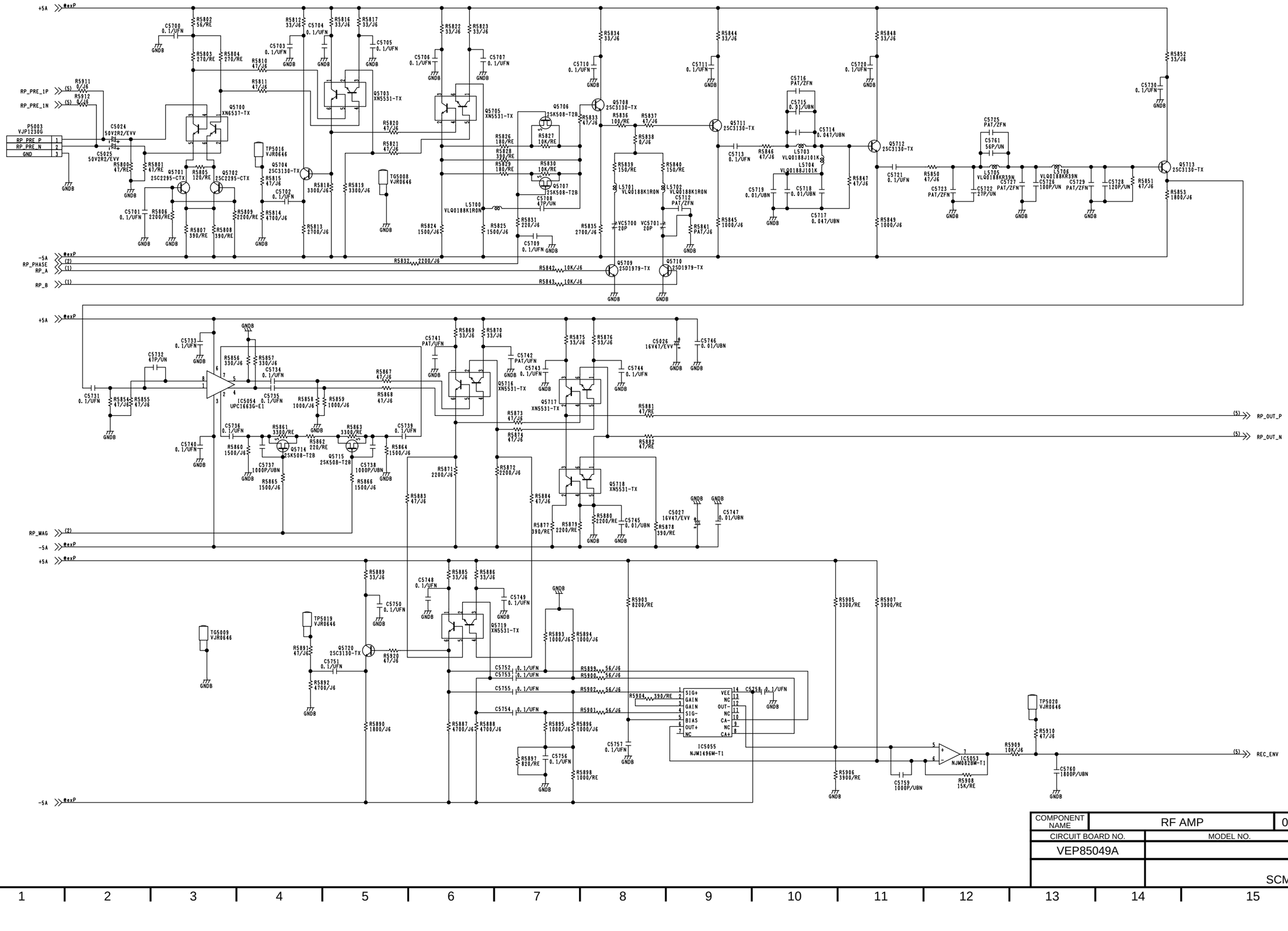


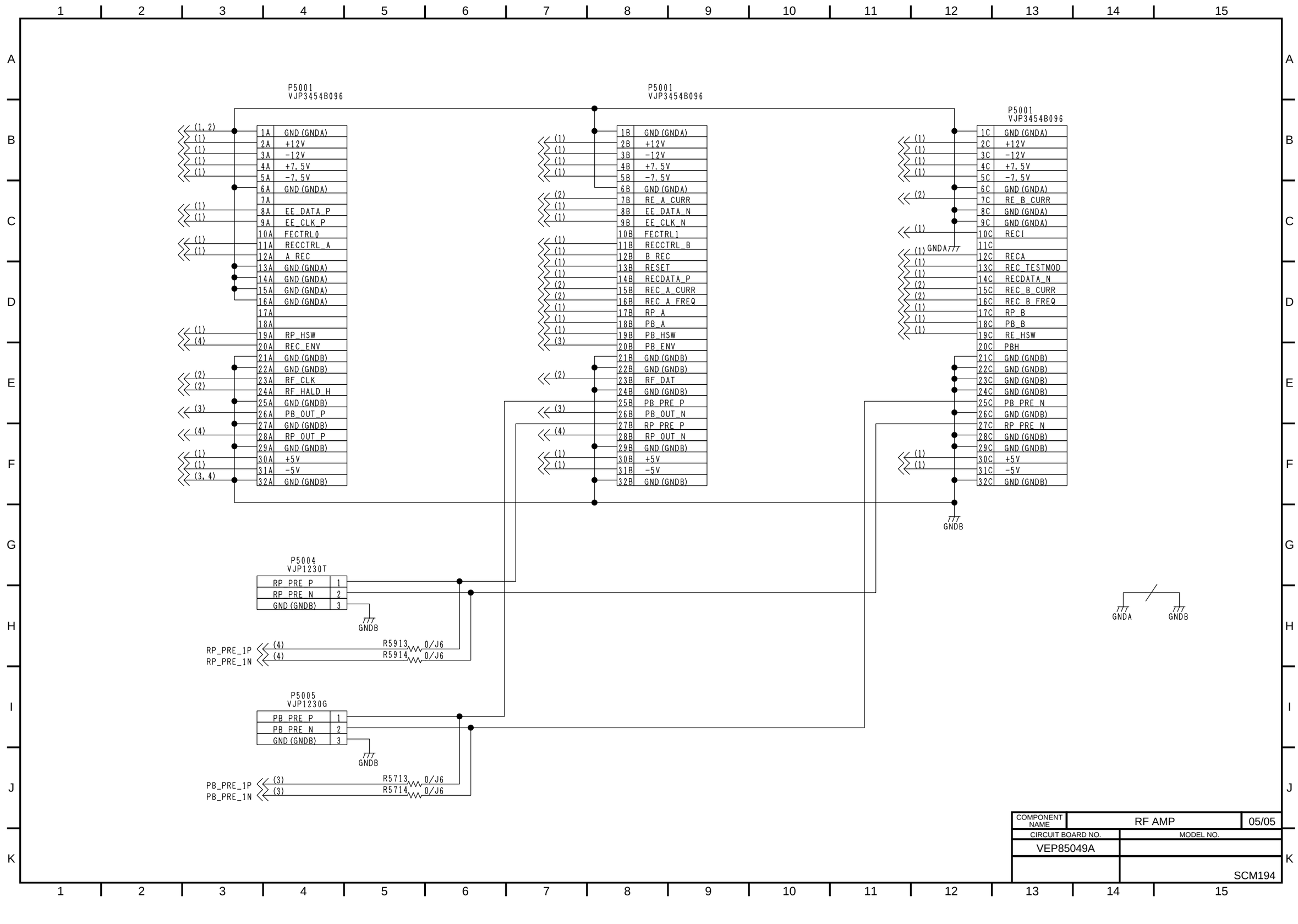
COMPONENT NAME	RF AMP	01/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP85049A		
	SCM190	


RECMODE
REC_TEST
RF_DAT
RF_CLK
RF_HALD_H
IC5013 MB88344PFV
TG5002 VJR0646
TP5007 VJR0646
TP5008 VJR0646
TP5011 VJR0646
TP5012 VJR0646
IC5014 NJM082BM-T1
IC5015 NJM082BM-T1
IC5016 NJM082BM-T1
IC5017 MC14053BF-R
IC5009 MC14053BF-R
IC5004 NJM082BM-T1
IC5008 NJM082BM-T1
IC5009 MC14053BF-R
REC_A_CURR
REC_B_CURR
REC_A_FREQ
REC_B_FREQ
RP_MAG
RP_PHASE
RP_A
PB_MAG
PB_PHASE
PB_A
RE_A_CURR
RE_B_CURR
COMPONENT NAME
RF AMP
02/05
CIRCUIT BOARD NO.
VEP85049A
MODEL NO.
SCM191



COMPONENT NAME	RF AMP	03/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP85049A		
	SCM192	


+5A
#exP
C5700 0.1/UFN
R5802 56/RE
R5803 270/RE
R5804 270/RE
R5812 33/J6
C5704 0.1/UFN
R5816 33/J6
R5817 33/J6
C5703 0.1/UFN
C5705 0.1/UFN
R5810 47/J6
R5811 47/J6
RP_PRE_1P
RP_PRE_1N
(5)
R5911 0/J6
R5912 0/J6
Q5700 XN6537-TX
Q5703 XN5531-TX
PS003 VJP1230G
RP_PRE_P
RP_PRE_N
GND
C5024 50V2R2/EVV
C5025 50V2R2/EVV
R5800 47/RE
R5801 47/RE
Q5701 2SC2295-CTX
Q5702 2SC2295-CTX
R5805 120/RE
R5806 2200/RE
R5807 390/RE
R5808 390/RE
R5809 2200/RE
C5701 0.1/UFN
TP5016 VJR0646
Q5704 2SC3130-TX
R5815 47/J6
C5702 0.1/UFN
R5814 4700/J6
R5818 3300/J6
R5819 3300/J6
R5813 2700/J6
TG5008 VJR0646
R5820 47/J6
R5821 47/J6
R5822 33/J6
R5823 33/J6
C5706 0.1/UFN
C5707 0.1/UFN
Q5705 XN5531-TX
R5826 180/RE
R5828 390/RE
R5829 180/RE
Q5706 2SK508-T2B
R5827 10K/RE
R5830 10K/RE
Q5707 2SK508-T2B
C5708 47P/UN
L5700 VLQ0188K1R0N
R5824 1500/J6
R5825 1500/J6
R5831 220/J6
C5709 0.1/UFN
R5832 2200/J6
R5834 33/J6
C5710 0.1/UFN
Q5708 2SC3130-TX
R5833 47/J6
R5836 100/RE
R5837 47/J6
R5838 0/J6
R5839 150/RE
R5840 150/RE
L5701 VLQ0188K1R0N
L5702 VLQ0188K1R0N
C5712 PAT/ZFN
VC5700 20P
VC5701 20P
R5835 2700/J6
R5841 PAT/J6
R5842 10K/J6
R5843 10K/J6
Q5709 2SD1979-TX
Q5710 2SD1979-TX
-5A
RP_PHASE
RP_A
RP_B
(2)
(1)
R5844 33/J6
C5711 0.1/UFN
Q5711 2SC3130-TX
C5713 0.1/UFN
R5846 47/J6
C5716 PAT/ZFN
C5715 0.01/UBN
C5714 0.047/UBN
L5703 VLQ0188J101K
L5704 VLQ0188J101K
C5719 0.01/UBN
C5718 0.01/UBN
C5717 0.047/UBN
R5845 1000/J6
R5848 33/J6
C5720 0.1/UFN
Q5712 2SC3130-TX
C5721 0.1/UFN
R5847 47/J6
R5849 1000/J6
R5850 47/J6
C5723 PAT/ZFN
C5725 PAT/ZFN
R5761 56P/UN
L5705 VLQ0188KR39N
C5722 27P/UN
C5727 PAT/ZFN
L5706 VLQ0188KR39N
C5726 100P/UN
C5729 PAT/ZFN
C5728 120P/UN
R5851 47/J6
R5852 33/J6
C5730 0.1/UFN
Q5713 2SC3130-TX
R5853 1800/J6
C5731 0.1/UFN
R5854 47/J6
R5855 47/J6
C5732 47P/UN
C5733 0.1/UFN
IC5054 UPC1663G-E1
R5856 330/J6
R5857 330/J6
C5734 0.1/UFN
C5735 0.1/UFN
R5867 47/J6
R5868 47/J6
R5858 1000/J6
R5859 1000/J6
C5736 0.1/UFN
R5861 3300/RE
R5863 3300/RE
C5739 0.1/UFN
C5740 0.1/UFN
R5860 1500/J6
R5862 220/RE
Q5714 2SK508-T2B
Q5715 2SK508-T2B
C5737 1000P/UBN
C5738 1000P/UBN
R5865 1500/J6
R5866 1500/J6
R5864 1500/J6
C5741 PAT/UFN
R5869 33/J6
R5870 33/J6
C5742 PAT/UFN
C5743 0.1/UFN
Q5716 XN5531-TX
Q5717 XN5531-TX
R5873 47/J6
R5874 47/J6
R5875 33/J6
R5876 33/J6
C5744 0.1/UFN
C5026 16V47/EVV
C5746 0.01/UBN
R5881 47/RE
R5882 47/RE
(5)
RP_OUT_P
RP_OUT_N
R5871 2200/J6
R5872 2200/J6
R5883 47/J6
R5884 47/J6
Q5718 XN5531-TX
R5877 390/RE
R5879 2200/RE
R5880 2200/RE
C5745 0.01/UBN
C5027 16V47/EVV
R5878 390/RE
C5747 0.01/UBN
RP_MAG
(2)
R5889 33/J6
C5748 0.1/UFN
R5885 33/J6
R5886 33/J6
C5749 0.1/UFN
C5750 0.1/UFN
TP5019 VJR0646
TG5009 VJR0646
R5891 47/J6
Q5720 2SC3130-TX
R5520 47/J6
C5751 0.1/UFN
R5892 4700/J6
Q5719 XN5531-TX
R5890 1800/J6
R5903 8200/RE
R5893 1000/J6
R5894 1000/J6
C5752 0.1/UFN
C5753 0.1/UFN
C5755 0.1/UFN
C5754 0.1/UFN
R5899 56/J6
R5900 56/J6
R5902 56/J6
R5901 56/J6
R5887 4700/J6
R5888 4700/J6
R5895 1000/J6
R5896 1000/J6
R5897 820/RE
C5756 0.1/UFN
R5898 1000/RE
R5904 390/RE
IC5055 NJM1496M-T1
SIG+
GAIN
GAIN
SIG-
BIAS
OUT+
NC
VEE
NC
OUT-
NC
CA-
NC
CA+
C5758 0.1/UFN
C5757 0.1/UFN
R5905 3300/RE
R5907 3900/RE
R5906 3900/RE
C5759 1000P/UBN
IC5053 NJM082BM-T1
R5908 15K/RE
TP5020 VJR0646
R5910 47/J6
R5909 10K/J6
REC_ENV
C5760 1800P/UBN
-5A
GNDB
COMPONENT NAME
RF AMP
04/05
CIRCUIT BOARD NO.
VEP85049A
MODEL NO.
SCM193


P5001
VJP3454B096
1A GND (GNDA)
2A +12V
3A −12V
4A +7.5V
5A −7.5V
6A GND (GNDA)
7A
8A EE_DATA_P
9A EE_CLK_P
10A FECTRLQ
11A RECCTRL_A
12A A_REC
13A GND (GNDA)
14A GND (GNDA)
15A GND (GNDA)
16A GND (GNDA)
17A
18A
19A RP_HSW
20A REC_ENV
21A GND (GNDB)
22A GND (GNDB)
23A RF_CLK
24A RF_HALD_H
25A GND (GNDB)
26A PB_OUT_P
27A GND (GNDB)
28A RP_OUT_P
29A GND (GNDB)
30A +5V
31A −5V
32A GND (GNDB)
P5001
VJP3454B096
1B GND (GNDA)
2B +12V
3B −12V
4B +7.5V
5B −7.5V
6B GND (GNDA)
7B RE_A_CURR
8B EE_DATA_N
9B EE_CLK_N
10B FECTRL1
11B RECCTRL_B
12B B_REC
13B RESET
14B RECDATA_P
15B REC_A_CURR
16B REC_A_FREQ
17B RP_A
18B PB_A
19B PB_HSW
20B PB_ENV
21B GND (GNDB)
22B GND (GNDB)
23B RF_DAT
24B GND (GNDB)
25B PB_PRE_P
26B PB_OUT_N
27B RP_PRE_P
28B RP_OUT_N
29B GND (GNDB)
30B +5V
31B −5V
32B GND (GNDB)
P5001
VJP3454B096
1C GND (GNDA)
2C +12V
3C −12V
4C +7.5V
5C −7.5V
6C GND (GNDA)
7C RE_B_CURR
8C GND (GNDA)
9C GND (GNDA)
10C RECI
11C
12C RECA
13C REC_TESTMOD
14C RECDATA_N
15C REC_B_CURR
16C REC_B_FREQ
17C RP_B
18C PB_B
19C RE_HSW
20C PBH
21C GND (GNDB)
22C GND (GNDB)
23C GND (GNDB)
24C GND (GNDB)
25C PB_PRE_N
26C GND (GNDB)
27C RP_PRE_N
28C GND (GNDB)
29C GND (GNDB)
30C +5V
31C −5V
32C GND (GNDB)
GNDA
GNDB
P5004
VJP1230T
RP_PRE_P 1
RP_PRE_N 2
GND (GNDB) 3
GNDB
RP_PRE_1P
RP_PRE_1N
R5913 0/J6
R5914 0/J6
P5005
VJP1230G
PB_PRE_P 1
PB_PRE_N 2
GND (GNDB) 3
GNDB
PB_PRE_1P
PB_PRE_1N
R5713 0/J6
R5714 0/J6
COMPONENT NAME
RF AMP
05/05
CIRCUIT BOARD NO.
MODEL NO.
VEP85049A
SCM194